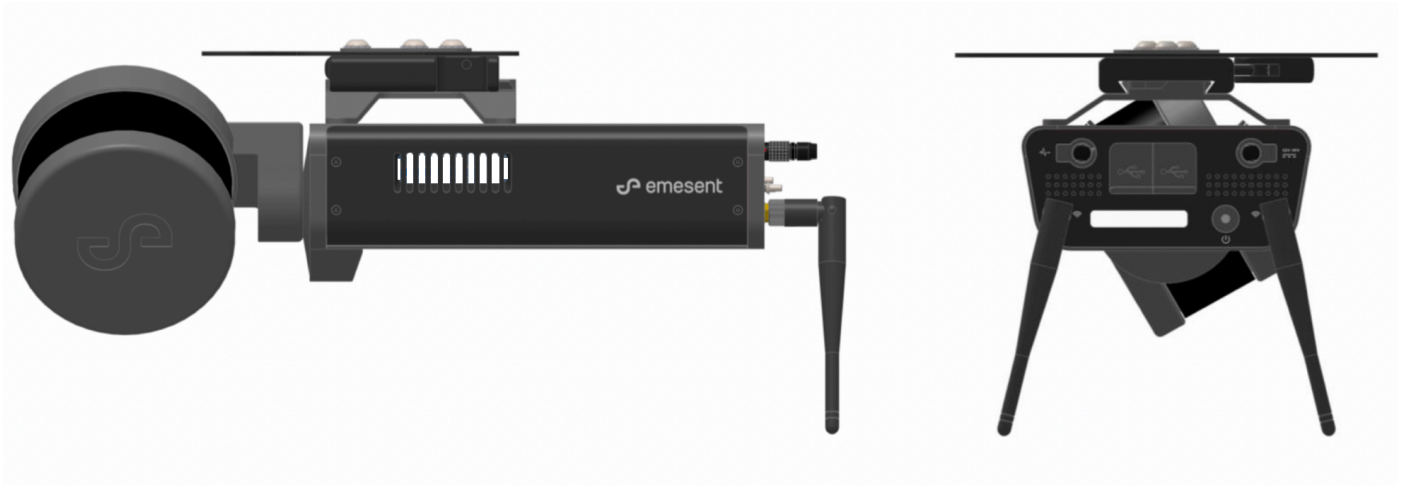


Hovermap HF1 Specification



| Sensors | |
|---------------------|--|
| | Velodyne VLP-16 Lite |
| | <ul style="list-style-type: none"> - 100 metre range - 16 Channel |
| Lidar | <ul style="list-style-type: none"> - Dual return - 300,000 point per second Rotating to give 360° x 360° field of view |
| GPS | External GPS data recorded when available e.g. from DJI drone |
| Mapping | |
| SLAM | Simultaneous Localisation and Mapping (SLAM) based LiDAR mapping |
| LiDAR Data Format | Post processing data output in .laz and .ply point cloud formats |
| Autonomy Functions | |
| Collision Avoidance | Omni-directional collision avoidance using LiDAR data Adjustable minimum distance collision avoidance threshold |
| GPS-Denied Flight | GPS-denied position hold and velocity control |

| Aircraft Integration | |
|----------------------|--|
| Mapping only | Any VTOL drone that can lift the payload |
| Autonomy Functions | Compatible with DJI A3 autopilot |
| User Interface | |
| Software | Pre-flight configuration Flight plan progress Obstacle situational awareness |
| Telemetry | |
| | WiFi and DJI Lightbridge |
| Data Management | |
| USB3 | High Speed data offload |
| Storage | 480 Gigabytes – approximately 12 hours of sensor data |
| Power | |
| | Auxiliary power input (12V – 54V) Max 90W |
| Physical | |
| Size | 393 x 155 x 150mm (L x W x H) |
| Weight | 1.8kg |
| Mounting | Quick-release mounting plate provided |